

Abstract of the Disclosure

An X-ray tire inspection apparatus comprising X-ray tubes 2a and 2b for applying an X-ray to a tire 10, installed right above the opposite ends of the tire 10 conveyed by a roll conveyor 1, and X-ray line sensors 4a and 4b arranged in the space between adjacent rolls 1R and 1R below the above roll conveyor 1 at positions corresponding to the above X-ray tubes 2a and 2b, respectively, wherein transmission X-ray images of left half and right half portions of the tire 10 are taken by the X-ray line sensors 4a and 4b and combined by tire internal image inspection means 5 to obtain a transmission X-ray composite image of the whole tire 10. Therefore, even a tire having a low aspect ratio can be internally inspected accurately and efficiently.